



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| | | | | |
|--|-------------|----------------------|---------------------|------------------|
| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
| 10/574,225 | 12/13/2006 | Hiroyuki Menjo | 288888US8PCT | 2231 |
| 22850 | 7590 | 12/15/2008 | EXAMINER | |
| OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314 | | | CHOO, MUNSOON | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2617 | |
| | | | NOTIFICATION DATE | DELIVERY MODE |
| | | | 12/15/2008 | ELECTRONIC |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com
oblonpat@oblon.com
jgardner@oblon.com

| | | | |
|------------------------------|--------------------------------------|-------------------------------------|--|
| Office Action Summary | Application No. 10/574,225 | Applicant(s) MENJO ET AL. | |
| | Examiner MUNSOON CHOO | Art Unit 2617 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12/13/2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 3/31/2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claim 1 and 6 are rejected under 35 U.S.C. 102(e) as being anticipated by Duvall et al. (Patent# 6,876,858 hereinafter “Duvall”).

Re claim 1, Duvall discloses a portable communication terminal comprising: **(abstract)**
data transmitting means for transmitting user data to a communication partner equipment, using a user channel for transmission of user data;

(Figure 2, reference 2, column 1 line 60 to column 2 line 15. The user calls the control center (communication partner equipment) over the cellular voice path (user channel), and the control center verify the user's id(user data))

location requesting means for transmitting request information to request calculation of location information about the host terminal, to a location information calculating server for calculating the location information, in accordance with the transmission of the user data, using a control channel for transmission of control data;

Art Unit: 2617

(abstract, column 1 line 60 to column 2 line 15. The user transmits the location request to the control center in accordance to the user's id. The control center then sends the radio signal over the control channel path to the GPS receiver (GPS receiver can calculate location information just like the claimed "calculating server")

location acquiring means for acquiring the location information calculated based on the request information in the location information calculating server, using the control channel; and

(abstract, column 1 line 60 to column 2 line 15: When said control center receives location data from said GPS-transponder (calculating server), said control center sends it to the user (said user acquires location data). Since GPS-transponder transmits processed location data over the control channel path to the control center, therefore, the control channel is used for the acquiring process)

location transmitting means for transmitting the acquired location information to the communication partner equipment, using the control channel.

(abstract, column 1 line 60 to column 2 line 15. Said GPS-transponder can be considered as a portable communication terminal that communicates with said control center and the satellite. Said GPS-transponder acquires said location data from said satellite, and then transmit said location data to said control center over the control channel)

Re claim 6, Duvall discloses a location information providing method for providing location information from a portable communication terminal to a communication partner equipment, comprising:

(Duvall: figure 2, abstract, column 1 line 60 to column 2 line 14)

a data transmission step wherein data transmitting means transmits user data to the communication partner equipment, using a user channel for transmission of user data;

(Duvall: figure 2, reference 2, column 1 line 60 to column 2 line 15. The user calls the control center (communication partner equipment) over the cellular voice path (user channel), and the control center verify the user's id(user data))

Art Unit: 2617

a location request step wherein location requesting means transmits request information to request calculation of location information about the host terminal, to a location information calculating server for calculating the location information, in accordance with the transmission of the user data, using a control channel for transmission of control data;

(abstract, column 1 line 60 to column 2 line 15. The user transmits the location request to the control center in accordance to the user's id. The control center then sends the radio signal over the control channel path to the GPS receiver (GPS receiver can calculate location information just like the claimed "calculating server")

a location acquisition step wherein location acquiring means acquires the location information calculated based on the request information in the location information calculating server, using the control channel; and

(abstract, column 1 line 60 to column 2 line 15: When said control center receives location data from said GPS-transponder (calculating server), said control center sends it to the user (said user acquires location data). Since GPS-transponder transmits processed location data over the control channel path to the control center, therefore, the control channel is used for the acquiring process)

a location transmission step wherein location transmitting means transmits the acquired location information to the communication partner equipment, using the control channel.

(abstract, column 1 line 60 to column 2 line 15. Said GPS-transponder can be considered as a portable communication terminal that communicates with said control center and the satellite. Said GPS-transponder acquires said location data from said satellite, and then transmit said location data to said control center over the control channel)

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 2-5, 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Duvall as applied to claim 1 above, and further in view of Raith(Patent# 6,856,807).

Re claim 2, Duvall discloses the portable communication terminal according to claim 1, but fails to disclose wherein the location requesting means continues to transmit the request information at predetermined intervals while the data transmitting means transmits the user data. Raith does.

(Raith: abstract, column 1 line 49 to 57. The mobile terminal (includes GPS receiver) updates (involves transmitting the request information) its position)

Motivation to combine may be gleaned from the prior art contemplated. Therefore, one skilled in the art would have found it obvious from the combined teachings of Duvall and Raith as a whole to produce the invention as claimed with a reasonable expectation of having the mobile terminal to update its position periodically.

Re claim 3, Duvall in combination with Raith disclose the portable communication terminal according to claim 2, further comprising movement detecting means for detecting a movement state of the location of the portable communication terminal, based on the location information acquired by the location acquiring means, wherein the location transmitting means transmits the location information in accordance with the detected movement state.

(Raith: figure 2 references 62, 64, 66 and 68. Column 1 line 65 to 67. Update frequency (involves transmitting the location information) is made less frequent because it has detected that the mobile terminal is moving slowly or is stationary)

Art Unit: 2617

Motivation to combine may be gleaned from the prior art contemplated. Therefore, one skilled in the art would have found it obvious from the combined teachings of Duvall and Raith as a whole to produce the invention as claimed with a reasonable expectation of changing the updating frequency according to the mobile terminal's moving condition, such as fast, slow or stationary.

Re claim 4, Duvall in combination with Raith disclose the portable communication terminal according to any one of claims 1 to 3, wherein the user data is motion picture data taken as a picture of a subject and the data transmitting means transmits the taken motion picture data in real time.

(Raith: column 1 line 49 to 51. GPS receiver is disclosed inside of a mobile terminal. Said GPS receiver can receive picture taken from the satellite)

Motivation to combine may be gleaned from the prior art contemplated. Therefore, one skilled in the art would have found it obvious from the combined teachings of Duvall and Raith as a whole to produce the invention as claimed with a reasonable expectation of the mobile terminal receiving pictures from the satellite by using its GPS receiver.

Re claim 5, Duvall in combination with Raith disclose the portable communication terminal according to any one of claims 1 to 3, wherein the request information contains a GPS signal transmitted from a GPS satellite.

(Raith: column 1 line 49 to 51. GPS receiver is disclosed inside of a mobile terminal.)

Motivation to combine may be gleaned from the prior art contemplated. Therefore, one skilled in the art would have found it obvious from the combined teachings of Duvall and Raith as a whole to produce the invention as claimed with a reasonable expectation of having a GPS receiver included inside of the mobile terminal disclosed in Duvall.

Re claim 7, Duvall in combination with Raith disclose the portable communication terminal

Art Unit: 2617

according to claim 4, wherein the request information contains a GPS signal transmitted from a GPS satellite.

(Raith: column 1 line 49 to 51. GPS receiver is disclosed inside of a mobile terminal.)

Motivation to combine may be gleaned from the prior art contemplated. Therefore, one skilled in the art would have found it obvious from the combined teachings of Duvall and Raith as a whole to produce the invention as claimed with a reasonable expectation of having a GPS receiver included inside of the mobile terminal disclosed in Duvall.

Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MUNSOON CHOO whose telephone number is (571)270-7140. The examiner can normally be reached on Monday through Friday 7:30am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nick Corsaro can be reached on (571)272-7876. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Munsoon Choo/
Examiner, Art Unit 2617

/NICK CORSARO/
Supervisory Patent Examiner, Art Unit 2617

Application/Control Number: 10/574,225
Art Unit: 2617

Page 8